CONTENTS

Vols. 24–28 (1992–1996)

Author Index

Adam, N. and Yesha, Y. et al. Strategic Directions in Electronic Commerce and Digital Libraries: Toward a Digital Agora. Vol. 28, No. 4 (Dec. 1996), 829–846.

Agha, G. A. Linguistic Paradigms for Programming Complex Distributed Systems. Vol. 28, No. 2 (June 1996), 295–296.

Aggarwal, J. K. See Arman, F. Vol. 25, No. 2 (March 1993), 5–43.

Ahuja, N. On Detection and Representation of Multiscale Low-Level Image Structure, Vol. 27, No. 3 (Sept. 1995), 304–306.

Ahuja, N. See Hwong, Y. K. Vol. 24, No. 3 (Sept. 1992), 219–291.

Allan, S. J. See Allan, V. H., Vol. 27, No. 3 (Sept. 1995), 367–432.

Allan, V. H., Jones, R. B., Lee, R. M., and Allan, S. J. Software Pipelining. Vol. 27, No. 3 (Sept. 1995), 367–432.

Aloimonos, Y., Fermüller, C., and Rosenfeld, A. Seeing and Understanding: Representing the Visual World. Vol. 27, No. 3 (Sept. 1995), 307–309.

André, E. Intellimedia: Making Multimedia Usable by Exploiting AI Methods. Vol. 27, No. 4 (Dec. 1995), 560–563.

Andreoli, J.-M. and Pareschi, R. Integrated Computational Paradigms for Flexible Client-Server Communication. Vol. 28, No. 2 (June 1996), 297–299.

Antonio, J. K. See Siegel, H. J. Vol. 28, No. 1 (March 1996), 237–239.

Aref, W. G., Kamel, I., and Lopresti, D. P. On Handling Electronic Ink. Vol. 27, No. 4 (Dec. 1995), 564–567.

Arman, F., and Aggarwal, J. K. Model-Based Object Recognition in Dense-Range Images: A Review. Vol. 25, No. 1 (March 1993), 5–43.

Bacon, D. F., Graham, S. L., and Sharp, O. J. Compiler Transformations for High-Performance Computing. Vol. 26, No. 4 (Dec. 1994), 345–420.

Baeza-Yates, R. A. Fringe Analysis Revisited. Vol. 27, No. 1 (March 1995), 109–119.

Bailey, M. L., Briner, J. V., Jr., and Chamberlain, R. D. Parallel Logic Simulation of VLSI Systems. Vol. 26, No. 3 (Sept. 1994), 255–294.

Bajcsy, R. Signal-to-Symbol Transformation and Vice Versa: From Fundamental Processes to Representation. Vol. 27, No. 3 (Sept. 1995), 310–313.

Baker, J. E., Cruz, I. F., Liotta, G., and Tamassia, R. A New Model for Algorithm Animation Over the WWW. Vol. 27, No. 4 (Dec. 1995), 568–572.

Bancilhon, F. Object Databases. Vol. 28, No. 1 (March 1996), 137–140.

Barborak, M., Malek, M., and Dahbura, A. The Consensus Problem in Fault-Tolerant Computing. Vol. 25, No. 2 (June 1993), 171–220.

Barron, J. L. See Beauchemin, S. S. Vol. 27, No. 3 (Sept. 1995), 433–467.

Baskerville, R. Information Systems Security Design Methods: Implications for Information Systems Development. Vol. 25, No. 4 (Dec. 1993), 375–414.

Beauchemin, S. S. and Barron, J. L. The Computation of Optical Flow. Vol. 27, No. 3 (Sept. 1995), 433–467.

Belady, L. A. The Disappearance of the "Pure" Software Industry. Vol. 27, No. 1 (March 1995), 17–18.

Benton, P. N. On the Relationship Between Formal Semantics and Static Analysis. Vol. 28, No. 2 (June 1996), 321–323.

Bhaskar, S. See Gupta, R. Vol. 26, No. 1 (March 1994), 7–86.

Bishop, C. M. See Jordan, M. I. Vol. 28, No. 1 (March 1996), 73–75.

Blelloch, G. E. and Maggs, B. M. Parallel Algorithms. Vol. 28, No. 1 (March 1996), 51–54.

Brachman, R. J. and Levesque, H. J. Undirected Behavior without Unbounded Search. Vol. 27, No. 3 (Sept. 1995), 314–316.

Brancheau, J. C., and Brown, C. V. The Management of End-User Computing: Status and Directions. Vol. 25, No. 4 (Dec. 1993), 437–482.

Brassard, G. Time for Another Paradigm Shift. Vol. 27, No. 1 (March 1995), 19–21.

CONTENTS

Vols. 24–28 (1992–1996)

Author Index

Adam, N. and Yesha, Y. et al. Strategic Directions in Electronic Commerce and Digital Libraries: Toward a Digital Agora. Vol. 28, No. 4 (Dec. 1996), 829–846.

Agha, G. A. Linguistic Paradigms for Programming Complex Distributed Systems. Vol. 28, No. 2 (June 1996), 295–296.

Aggarwal, J. K. See Arman, F. Vol. 25, No. 2 (March 1993), 5–43.

Ahuja, N. On Detection and Representation of Multiscale Low-Level Image Structure, Vol. 27, No. 3 (Sept. 1995), 304–306.

Ahuja, N. See Hwong, Y. K. Vol. 24, No. 3 (Sept. 1992), 219–291.

Allan, S. J. See Allan, V. H., Vol. 27, No. 3 (Sept. 1995), 367–432.

Allan, V. H., Jones, R. B., Lee, R. M., and Allan, S. J. Software Pipelining. Vol. 27, No. 3 (Sept. 1995), 367–432.

Aloimonos, Y., Fermüller, C., and Rosenfeld, A. Seeing and Understanding: Representing the Visual World. Vol. 27, No. 3 (Sept. 1995), 307–309.

André, E. Intellimedia: Making Multimedia Usable by Exploiting AI Methods. Vol. 27, No. 4 (Dec. 1995), 560–563.

Andreoli, J.-M. and Pareschi, R. Integrated Computational Paradigms for Flexible Client-Server Communication. Vol. 28, No. 2 (June 1996), 297–299.

Antonio, J. K. See Siegel, H. J. Vol. 28, No. 1 (March 1996), 237–239.

Aref, W. G., Kamel, I., and Lopresti, D. P. On Handling Electronic Ink. Vol. 27, No. 4 (Dec. 1995), 564–567.

Arman, F., and Aggarwal, J. K. Model-Based Object Recognition in Dense-Range Images: A Review. Vol. 25, No. 1 (March 1993), 5–43.

Bacon, D. F., Graham, S. L., and Sharp, O. J. Compiler Transformations for High-Performance Computing. Vol. 26, No. 4 (Dec. 1994), 345–420.

Baeza-Yates, R. A. Fringe Analysis Revisited. Vol. 27, No. 1 (March 1995), 109–119.

Bailey, M. L., Briner, J. V., Jr., and Chamberlain, R. D. Parallel Logic Simulation of VLSI Systems. Vol. 26, No. 3 (Sept. 1994), 255–294.

Bajcsy, R. Signal-to-Symbol Transformation and Vice Versa: From Fundamental Processes to Representation. Vol. 27, No. 3 (Sept. 1995), 310–313.

Baker, J. E., Cruz, I. F., Liotta, G., and Tamassia, R. A New Model for Algorithm Animation Over the WWW. Vol. 27, No. 4 (Dec. 1995), 568–572.

Bancilhon, F. Object Databases. Vol. 28, No. 1 (March 1996), 137–140.

Barborak, M., Malek, M., and Dahbura, A. The Consensus Problem in Fault-Tolerant Computing. Vol. 25, No. 2 (June 1993), 171–220.

Barron, J. L. See Beauchemin, S. S. Vol. 27, No. 3 (Sept. 1995), 433–467.

Baskerville, R. Information Systems Security Design Methods: Implications for Information Systems Development. Vol. 25, No. 4 (Dec. 1993), 375–414.

Beauchemin, S. S. and Barron, J. L. The Computation of Optical Flow. Vol. 27, No. 3 (Sept. 1995), 433–467.

Belady, L. A. The Disappearance of the "Pure" Software Industry. Vol. 27, No. 1 (March 1995), 17–18.

Benton, P. N. On the Relationship Between Formal Semantics and Static Analysis. Vol. 28, No. 2 (June 1996), 321–323.

Bhaskar, S. See Gupta, R. Vol. 26, No. 1 (March 1994), 7–86.

Bishop, C. M. See Jordan, M. I. Vol. 28, No. 1 (March 1996), 73–75.

Blelloch, G. E. and Maggs, B. M. Parallel Algorithms. Vol. 28, No. 1 (March 1996), 51–54.

Brachman, R. J. and Levesque, H. J. Undirected Behavior without Unbounded Search. Vol. 27, No. 3 (Sept. 1995), 314–316.

Brancheau, J. C., and Brown, C. V. The Management of End-User Computing: Status and Directions. Vol. 25, No. 4 (Dec. 1993), 437–482.

Brassard, G. Time for Another Paradigm Shift. Vol. 27, No. 1 (March 1995), 19–21.

Brinch Hansen, P. Householder Reduction of Linear Equations. Vol. 24, No. 2 (June 1992), 185–194.
Briner, J. V., Jr. See Bailey, M. L. Vol. 26, No. 3 (Sept. 1994), 255–294.
Brown, C. V. See Brancheau, J. C. Vol. 25, No. 4 (Dec. 1993), 437–482.
Brown, L. G. A Survey of Image Registration Techniques. Vol. 24, No. 4 (Dec. 1992), 325–376.
Bruce, K. B. Progress in Programming Languages. Vol. 28, No. 1 (March 1996), 245–247.
Bryant, R. E. Symbolic Boolean Manipulation with Ordered Binary-Decision Diagrams. Vol. 24, No. 3 (Sept. 1992), 293–318.
Buhr, P. A., Fortier, M., and Coffin, M. H. Monitor Classification. Vol. 27, No. 1 (March 1995), 63–107.
Bukhres, O. See Pitoura, E. (June 1995), 141–195.
Bull, A. R. See Landwehr, C. E. Vol. 26, No. 3 (Sept. 1994), 211–254.
Burger, D. Memory Systems. Vol. 28, No. 1 (March 1996), 63–65.
Cardelli, L. Type Systems. Vol. 28, No. 1 (March 1996), 263–264.
Cartwright, R. and Felleisen, M. Program Verification Through Soft Typing. Vol. 28, No. 2 (June 1996), 349–351.
Cen, S. See Cowan, C. Vol. 27, No. 4 (Dec. 1995), 581–583.
Ceri, S. and Ramakrishnan, R. Rules in Database Systems. Vol. 28, No. 1 (March 1996), 109–111.
Chamberlain, R. D. See Bailey, M. L. Vol. 26, No. 3 (Sept. 1994), 255–294.
Chandru, V. and Rao, M. R. Combinatorial Optimization: An Integer Programming Perspective. Vol. 28, No. 1 (March 1996), 55–58.
Chang, S-. F. Exploring Functionalities in the Compressed Image/Video Domain. Vol. 27, No. 4 (Dec. 1995), 573–575.
Chapin, S. J. Distributed and Multiprocessor Scheduling. Vol. 28, No. 1 (March 1996), 233–235.
Charniak, E. Natural Language Learning. Vol. 27, No. 3 (Sept. 1995), 317–319.
Chassin de Kergommeaux, J., and Codognet, P. Parallel Logic Programming Systems. Vol. 26, No. 3 (Sept. 1994), 295–336.
Chen, P. M., Lee, E. K., Gibson, G. A., Katz, R. H., and Patterson, D. A. RAID: High-Performance, Reliable Secondary Storage. Vol. 26, No. 2 (June 1994), 145–186.
Choi, W. S. See Landwehr, C. E. Vol. 26, No. 3 (Sept. 1994), 211–254.
Christodoulakis, S. and Triantafillou, P. Vol. 27, No. 4 (Dec. 1995), 576–579.
Ciancarini, P. Coordination Models and Languages as Software Integrators. Vol. 28, No. 2 (June 1996), 300–302.
Cinnella, P. Numerical Simulations of Reactive Flows. Vol. 28, No. 1 (March 1996), 93–96.
Clancey, W. J. AI: Inventing a New Kind of Machine. Vol. 27, No. 3 (Sept. 1995), 320–322.
Clarke, D., and Pasquale, J., et al. Strategic Directions in Networks and Telecommunications. Vol. 28, No. 4 (Dec. 1996), 690–701.
Clarke, E. M., and Wing, J. M., et al. Formal Methods: State of the Art and Future Directions. Vol. 28, No. 4 (Dec. 1996), 636–653.
Cleaveland, R., and Smolka, S. A., et al. Strategic Directions in Concurrency Research. Vol. 28, No. 4 (Dec. 1996), 616–635.
Codognet, P. See Chassin de Kergommeaux, J. Vol. 26, No. 3 (Sept. 1994), 295–336.
Coffin, M. H. See Buhr, P. A. Vol. 27, No. 1 (March 1995), 63–107.
Cohen, J. Logic Programming and Constraint Logic Programming. Vol. 28, No. 1 (March 1996), 257–259.
Cohn, A. G. The Challenge of Qualitative Spatial Reasoning. Vol. 27, No. 3 (Sept. 1995), 323–325.
Cousot, P. Abstract Interpretation. Vol. 28, No. 2 (June 1996), 324–328.
Cowan, C., Cen, S., Walpole, J., and Pu, C. Adaptive Methods for Distributed Video Presentation. Vol. 27, No. 4 (Dec. 1995), 580–583.
Crochemore, M., and Lecroq, T. Pattern-Matching and Text Compression Algorithms. Vol. 28, No. 1 (March 1996), 39–41.
Crowston, K. See Malone, T. W. Vol. 26, No. 1 (March 1994), 87–119.
Cruz, I. F. See Baker, J. E. Vol. 27, No. 4 (Dec. 1995), 568–572.
Cruz, I. See Myers, B. et al. Vol. 28, No. 4 (Dec. 1996), 805–820.
Cytron, R. K. and Hallpern, B. SIGPLAN Scope and Tutorial Needs. Vol. 27, No. 2 (June 1995), 290–291.
Dahbura, A. See Barborak, M. Vol. 25, No. 2 (June 1993), 171–220.
Dam, M. Modalities in Analysis and Verification. Vol. 28, No. 2 (June 1996), 346–348.
Danvy, O., Hentze, N., and Malmkjaer, K. Resource-Bounded Partial Evaluation. Vol. 28, No. 2 (June 1996), 329–332.

Dean, T. Automated Planning. Vol. 28, No. 1 (March 1996), 85–87.
Dean, T. See Doyle, J., et al. Vol. 28, No. 4 (Dec. 1996), 663–681.
Degano, P. and Priami, C. Enhanced Operational Semantics. Vol. 28, No. 2 (June 1996), 352–354.
Denning, P. J. Can There Be a Science of Information? Vol. 27, No. 1 (March 1995), 23–25.
Denning, P. J. Virtual Memory. Vol. 28, No. 1 (March 1996), 213–216.
Dietterich, T. Overfitting and Undercomputing in Machine Learning. Vol. 27, No. 3 (Sept. 1995), 326–327.
Dietz, H. G. See Siegel, H. J. Vol. 28, No. 1 (March 1996), 237–239.
Dimitrova, N. The Myth of Semantic Video Retrieval. Vol. 27, No. 4 (Dec. 1995), 584–586.
Doeppner, T. W., Jr. Distributed File Systems and Distributed Memory. Vol. 28, No. 1 (March 1996), 229–231.
Doyle, J., and Dean, T. et al. Strategic Directions in Artificial Intelligence. Vol. 28, No. 4 (Dec. 1996), 663–681.
Dubois, D., and Prade, H. What Does Fuzzy Logic Bring to AI? Vol. 27, No. 3 (Sept. 1995), 328–330.
Dunham, C. B. Surveyors' Forum. Vol. 24, No. 3 (Sept. 1992), 319.
Dzida, W. International Usability Standards. Vol. 28, No. 1 (March 1996), 173–175.
Ebert, D. S. Advanced Modeling Techniques for Computer Graphics. Vol. 28, No. 1 (March 1996), 153–156.
Ege, R. K. See Hirshfield, S. Vol. 28, No. 1 (March 1996), 253–255.
Elch, M. H. See Mishra, P. Vol. 24, No. 1 (March 1992), 63–113.
Elmagarmid, A. See Pitoura, E. Vol. 27, No. 2 (June 1995), 141–195.
Eschermann, B. State Assignment for Hardwire VLSI Control Units. Vol. 25, No. 4 (Dec. 1993), 415–436.
Estivill-Castro, V., and Wood, D. A Survey of Adaptive Sorting Algorithms. Vol. 24, No. 4 (Dec. 1992), 441–476.
Fermüller, C. See Aloimonos, Y. Vol. 27, No. 3 (Sept. 1995), 307–309.
Felleisen, M. See Cartwright, R. Vol. 28, No. 2 (June 1996), 349–351.
Filé, G., Giacobazzi, R., and Ranzato, F. A Unifying View of Abstract Domain Design. Vol. 28, No. 2 (June 1996), 333–336.
Finkel, R. A. Operating Systems. Vol. 28, No. 1 (March 1996), 201–203.
Fitzgerald, M. See Lewis, F. L. Vol. 28, No. 1 (March 1996), 81–83.
Flank, S. The Role of Natural-Language Processing in Multimedia. Vol. 27, No. 4 (Dec. 1995), 587–589.
Flynn, M. J. and Rudd, K. W. Parallel Architectures. Vol. 28, No. 1 (March 1996), 67–70.
Forrest, S. Genetic Algorithms. Vol. 28, No. 1 (March 1996), 77–80.
Fortier, M. See Buhr, P. A. Vol. 27, No. 1 (March 1995), 63–107.
Fox, E. A. SIGIR. Vol. 27, No. 1 (March 1995), 130–132.
Fox, E. A., and Kieffer, L. Multimedia Curricula, Courses, and Knowledge Modules. Vol. 27, No. 4 (Dec. 1995), 549–551.
Frakes, W., and Terry, C. Software Reuse: Metrics and Models. Vol. 28, No. 2 (June 1996), 415–435.
Freeman, P. A. Effective Computer Science. Vol. 27, No. 1 (March 1995), 27–29.
Fua, P. See Suetens, P. Vol. 24, No. 1 (March 1992), 5–61.
Furht, B. Where Are Information Superhighways Headed? Vol. 27, No. 4 (Dec. 1995), 552–556.
Furuta, R. Hypertext and Hypermedia Research. Vol. 27, No. 1 (March 1995), 133–135.
Gallian, J. A. Error Detection Methods. Vol. 28, No. 3 (Sept. 1996), 504–517.
Gallopoulos, E., Houstis, E. N., and Rice, J. R. Workshop on Problem-Solving Environments: Findings and Recommendations. Vol. 27, No. 2 (June 1995), 277–279.
Garlan, D. Research Directions in Software Architecture. Vol. 27, No. 2 (June 1995), 257–261.
Garofalakis, M. N., and Ioannidis, Y. E. Scheduling Issues in Multimedia Query Optimization. Vol. 27, No. 4 (Dec. 1995), 590–592.
Ghafoor, A. Multimedia Database Management Systems. Vol. 27, No. 4 (Dec. 1995), 593–598.
Giacobazzi, R. See File, G. Vol. 28, No. 2 (June 1996), 333–336.
Gibson, G. A. See Chen, P. M. Vol. 26, No. 2 (June 1994), 145–186.
Gibson, G. A., Vitter, J. S., and Wilkes, J. et al. Strategic Directions in Storage I/O Issues in Large-Scale Computing. Vol. 28, No. 4 (Dec. 1996), 790–804.
Gilbert, D. Can Computational Logic Provide a Paradigm for Both the Specification and Implementation of Concurrent Systems? Vol. 28, No. 2 (June 1996), 303–305.

Ginsberg, M. L. Epistemological and Heuristic Adequacy Revisited. Vol. 27, No. 3 (Sept. 1995), 331–333.
Goldberg, B. Functional Programming Languages. Vol. 28, No. 1 (March 1996), 249–251.
Goyal, P. See Shenoy, P. J. Vol. 27, No. 4 (Dec. 1995), 636–639.
Graefe, G. Query Evaluation Techniques for Large Databases. Vol. 25, No. 2 (June 1993), 73–170.
Graham, S. L. See Bacon, D. F. Vol. 26, No. 4 (Dec. 1994), 345–420.
Greenlaw, R. and Petreschi, R. Cubic Graphs. Vol. 27, No. 4 (Dec. 1995), 471–495.
Grudin, J. The Organizational Contexts of Development and Use. Vol. 28, No. 1 (March 1996), 169–171.
Gudivada, V. N. Multimedia Systems—An Interdisciplinary Perspective. Vol. 27, No. 4 (Dec. 1995), 545–548.
Guerraoui, R. et al. Strategic Directions in Object-Oriented Programming. Vol. 28, No. 4 (Dec. 1996), 702–711.
Gunter, C., Mitchell, J., and Notkin, D. et al. Strategic Directions in Software Engineering and Programming Languages. Vol. 28, No. 4 (Dec. 1996), 738–748.
Gupta, R., Smolka, S. A., and Bhaskar, S. On Randomization in Sequential and Distributed Algorithms. Vol. 26, No. 1 (March 1994), 7–86.
Hailpern, B. See Cytron, R. K. Vol. 27, No. 2 (June 1995), 290–291.
Hall, W. The Role of Hypermedia in Multimedia Information Systems. Vol. 27, No. 4 (Dec. 1995), 599–601.
Hankin, C., Nielson, H. R., and Palsberg, J. et al. Strategic Directions in Programming Languages. Vol. 28, No. 4 (Dec. 1996), 654–662.
Hanson, A. J. See Suetens, P. Vol. 24, No. 1 (March 1992), 5–61.
Hanus, M., and Kuchen, H. Integration of Functional and Logic Programming. Vol. 28, No. 2 (June 1996), 306–308.
Harris, T. J. A Survey of PRAM Simulation Techniques. Vol. 26, No. 2 (June 1994), 187–206.
Hartmanis, J. Turing Award Lecture: On Computational Complexity and the Nature of Computer Science. Vol. 27, No. 1 (March 1995), 7–16.
Hartmanis, J. Response to the Essays "On Computational Complexity and the Nature of Computer Science." Vol. 27, No. 1 (March 1995), 59–61.
Heiler, S. Semantic Interoperability. Vol. 27, No. 2 (June 1995), 271–273.
Hentze, N. See Danvy, O. Vol. 28, No. 2 (June 1996), 329–332.
Hirshfield, S., and Ege, R. K. Object-Oriented Programming. Vol. 28, No. 1 (March 1996), 253–255.
Hollaar, L. See Rilott, E. Vol. 28, No. 1 (March 1996), 133–135.
Hollan, J. See Myers, B. et al. Vol. 28, No. 4 (Dec. 1996), 805–820.
Holland, I. M., and Lieberherr, K. J. Object-Oriented Design. Vol. 28, No. 1 (March 1996), 273–275.
House, D. H. Overview of Three-Dimensional Computer Graphics. Vol. 28, No. 1 (March 1996), 145–148.
Houstis, E. N. See Gallopoulos, E. Vol. 27, No. 2 (June 1995), 277–279.
Huang, L. S. See Li, Q. Vol. 27, No. 4 (Dec. 1995), 602–606.
Hwong, Y. K., and Ahuja, N. Gross Motion Planning—A Survey. Vol. 24, No. 3 (Sept. 1992), 219–291.
Ioannidis, Y. E. See Garofalakis, M. N. Vol. 27, No. 4 (Dec. 1995), 590–592.
Ioannidis, Y. E. Query Optimization. Vol. 28, No. 1 (March 1996), 121–123.
Israel, M. See Wegner, P. Vol. 26, No. 4 (Dec. 1994), 337–339.
Jacob, R. J. K. Human-Computer Interaction: Input Devices. Vol. 28, No. 1 (March 1996), 177–179.
Jagannathan, S. and Wright, A. Compiling Functional Languages with Flow Analysis. Vol. 28, No. 2 (June 1996), 337–339.
Jajodia, S. Database Security and Privacy. Vol. 28, No. 1 (March 1996), 129–131.
Jay, C. B. Shape in Computing. Vol. 28, No. 2 (June 1996), 355–357.
Johnson-Eilola, J. See Selber, S. A. Vol. 28, No. 1 (March 1996), 197–200.
Jona, M. See Schank, R. C. Vol. 27, No. 4 (Dec. 1995), 633–635.
Jones, N. D. An Introduction to Partial Evaluation. Vol. 28, No. 3 (Sept. 1996), 480–503.
Jones, R. B. See Allan, V. H. Vol. 27, No. 3 (Sept. 1995), 367–432.
Jordan, M. I., and Bishop, C. M. Neural Networks. Vol. 28, No. 1 (March 1996), 73–75.
Kambhampati, S. AI Planning: A Prospectus on Theory and Applications. Vol. 27, No. 3 (Sept. 1995), 334–336.
Kamel, I. See Aref, W. G. Vol. 27, No. 4 (Dec. 1995), 564–567.

Kasif, S. See Waltz, D. Vol. 27, No. 3 (Sept. 1995), 356–359.
Katz, R. H. See Chen, P. M. Vol. 26, No. 2 (June 1994), 145–186.
Kaufman, A. E. Volume Visualizing. Vol. 28, No. 1 (March 1996), 165–167.
Khuller, S., and Raghavachari, B. Graph and Network Algorithms. Vol. 28, No. 1 (March 1996), 44–46.
Kieffer, L. See Fox, E. A. Vol. 27, No. 4 (Dec. 1995), 549–551.
Kingsbury, D. T. Computational Biology. Vol. 28, No. 1 (March 1996), 101–103.
Korcuska, M. See Schank, R. C. Vol. 27, No. 4 (Dec. 1995), 633–635.
Korf, R. E. Space-Efficient Search Algorithms. Vol. 27, No. 3 (Sept. 1995), 337–339.
Korth, H. F. See Silberschatz, A. Vol. 28, No. 1 (March 1996), 105–108.
Krueger, C. Software Reuse. Vol. 24, No. 2 (June 1992), 131–183.
Kuchen, H. See Hanus, M. Vol. 28, No. 2 (June 1996), 306–308.
Kukich, K. Techniques for Automatically Correcting Words in Text. Vol. 24, No. 4 (Dec. 1992), 377–440.
Landwehr, C. E., Bull, A. R., McDermott, J. P., and Choi, W. S. A Taxonomy of Computer Program Security Flaws. Vol. 26, No. 3 (Sept. 1994), 211–254.
LaPaugh, A. S. Layout Algorithms for VLSI Design. Vol. 28, No. 1 (March 1996), 59–61.
Lecroq, T. See Crochemore, M. Vol. 28, No. 1 (March 1996), 39–41.
Lee, D. T. Computational Geometry. Vol. 28, No. 1 (March 1996), 27–31.
Lee, E. K. See Chen, P. M. Vol. 26, No. 2 (June 1994), 145–186.
Lee, R. M. See Allan, V. H. Vol. 27, No. 3 (Sept. 1995), 367–432.
Lee, S. and Shin, K. G. Probabilistic Diagnosis of Multiprocessor Systems. Vol. 26, No. 1 (March 1994), 121–139.
Leeser, M. See Soderquist, P. Vol. 28, No. 3 (Sept. 1996), 518–564.
Leighton, T. SIGACT Program Summary. Vol. 27, No. 1 (March 1995), 122.
Le Métayer, D., and Schmidt, D. Structural Operational Semantics as a Basis for Static Program Analysis. Vol. 28, No. 2 (June 1996), 340–343.
Lesser, V. R. Multiagent Systems: An Emerging Subdiscipline of AI. Vol. 27, No. 3 (Sept. 1995), 340–342.
Levesque, H. J. See Brachman, R. J. Vol. 27, No. 3 (Sept. 1995), 314–316.
Lewis, F. L., Fitzgerald, M., and Liu, K. Robotics. Vol. 28, No. 1 (March 1996), 81–83.
Li, Q., and Huang, L. S. A Dynamic Data Model for a Video Database Management System. Vol. 27, No. 4 (Dec. 1995), 602–606.
Lieberherr, K. J. See Holland, I. M. Vol. 28, No. 1 (March 1996), 273–275.
Lifschitz, V. The Logic of Common Sense. Vol. 27, No. 3 (Sept. 1995), 343–345.
Lilja, D. J. Cache Coherence in Large-Scale Shared-Memory Multiprocessors: Issues and Comparisons. Vol. 25, No. 3 (Sept. 1993), 303–338.
Liotta, G. See Baker, J. E. Vol. 27, No. 4 (Dec. 1995), 568–572.
Liu, K. See Lewis, F. L. Vol. 28, No. 1 (March 1996), 81–83.
Lopresti, D. P. See Aref, W. G. Vol. 27, No. 4 (Dec. 1995), 564–567.
Loui, M. C. Computer Science is a New Engineering Discipline. Vol. 27, No. 1 (March 1995), 31–32.
Loui, M. Computational Complexity Theory. Vol. 28, No. 1 (March 1996), 47–49.
Loui, M. et al. Strategic Directions for Research in Theory of Computating. Vol. 28, No. 4 (Dec. 1996), 584–599.
Loui, R. P. Models of Deliberation in the Social Sciences. Vol. 27, No. 3 (Sept. 1995), 346–348.
Maggs, B. M. See Blelloch, G. E. Vol. 28, No. 1 (March 1996), 51–54.
Maier, D. See Staehli, R. Vol. 27, No. 4 (Dec. 1995), 640–642.
Malek, M. See Barborak, M. Vol. 25, No. 2 (June 1993), 170–220.
Malmakjaer, K. See Danvy, O. Vol. 28, No. 2 (June 1996), 329–332.
Malone, T. W., and Crowston, K. The Interdisciplinary Study of Coordination. Vol. 26, No. 1 (March 1994), 87–119.
Manola, F. Interoperability Issues in Large-Scale Distributed Object Systems. Vol. 27, No. 2 (June 1995), 268–270.
March, S. T. Editorial Policy. Vol. 24, No. 2 (June 1992), 117–125.
Matousek, J. Geometric Range Searching. Vol. 26, No. 4 (Dec. 1994), 421–461.
McDermott, J. P. See Landwehr, C. E. Vol. 26, No. 3 (Sept. 1994), 211–254.
McGeoch, C. Analyzing Algorithms by Simulation: Variance Reduction Techniques and Simulation Speedups. Vol. 24, No. 2 (June 1992), 195–212.
McKusick, M. K. Secondary Storage and Filesystems. Vol. 28, No. 1 (March 1996), 217–219.
Mehlenbacher, B. See Selber, S. A. Vol. 28, No. 1 (March 1996), 197–200.

Meijler, T. D. See Nierstrasz, O. Vol. 27, No. 2 (June 1995), 262–264.
Melton, J. SQL Language Summary. Vol. 28, No. 1 (March 1996), 141–143.
Metaxas, P. T. Fundamental Ideas for a Parallel Computing Course. Vol. 27, No. 2 (June 1995), 284–286.
Miller, J. SIGCHI and Computing Surveys. Vol. 27, No. 1 (March 1995), 129–130.
Mishra, P., and Eich, M. H. Join Processing in Relational Databases. Vol. 24, No. 1 (March 1992), 63–113.
Mitchell, J. See Gunter, C. et al. Vol. 28, No. 4 (Dec. 1996), 738–748.
Moffat, A., and Zobel, J. Index Organization for Multimedia Database Systems. Vol. 27, No. 4 (Dec. 1995), 607–609.
Moller, F., and Smolka, S. A. On the Computational Complexity of Bisimulation. Vol. 27, No. 2 (June 1995), 287–289.
Mossé, D. Resource Reservations in Networked Multimedia Systems. Vol. 27, No. 4 (Dec. 1995), 610–612.
Motwani, R., and Raghavan, P. Randomized Algorithms. Vol. 28, No. 1 (March 1996), 33–37.
Mudge, T., et al. Strategic Directions in Computer Architecture. Vol. 28, No. 4 (Dec. 1996), 682–689.
Mullender, S. J. Distributed Operating Systems. Vol. 28, No. 1 (March), 225–227.
Muntz, R. R. Scope and Charter. Vol. 26, No. 1 (March 1994), 1.
Muntz, R. R. A Personal Note. Vol. 24, No. 3 (Sept. 1992), 213–214.
Mycroft, A. On Integration of Programming Paradigms. Vol. 28, No. 2 (June 1996), 309–311.
Myers, B., Hollan, J., and Cruz, I. et al. Strategic Directions in Human-Computer Interaction. Vol. 28, No. 4 (Dec. 1996), 805–820.
Myers, B. A. User Interface Software Technology. Vol. 28, No. 1 (March 1996), 189–191.
Nahrstedt, K. End-to-end QoS Guarantees in Networked Multimedia Systems. Vol. 27, No. 4 (Dec. 1995), 613–616.
Nelson, R. D. The Mathematics of Product Form Queuing Networks. Vol. 25, No. 3 (Sept. 1993), 339–369.
Nielson, F. Annotated Type and Effect Systems. Vol. 28, No. 2 (June 1996), 344–345.
Nielson, H. R. See Hankin, C. et al. Vol. 28, No. 4 (Dec. 1996), 654–662.
Nierstrasz, O. and Meijler, T. D. Research Directions in Software Composition. Vol. 27, No. 2 (June 1995), 262–264.
Norman, M. G., and Thanisch, P. Models of Machines and Computation for Mapping in Multicomputers. Vol. 25, No. 3 (Sept. 1993), 263–302.
Notkin, D. See Gunter, C. et al. Vol. 28, No. 4 (Dec. 1996), 738–748.
Osterweil, L. et al. Strategic Directions in Software Quality. Vol. 28, No. 4 (Dec. 1996), 749–761.
Özden, B., Rastogi, R., and Silberschatz, A. Research Issues in Multimedia Storage Servers. Vol. 27, No. 4 (Dec. 1995), 617–620.
Özsu, M. T., and Valduriez, P. Distributed and Parallel Database Systems. Vol. 28, No. 1 (March 1996), 125–128.
Paakki, J. Attribute Grammar Paradigms—A High-Level Methodology in Language Implementation. Vol. 27, No. 2 (June 1995), 196–256.
Palsberg, J. Type Inference for Objects. Vol. 28, No. 2 (June 1996), 358–359.
Palsberg, J. See Hankin, C. et al. Vol. 28, No. 4 (Dec. 1996), 654–662.
Pareschi, R. See Andreoli, J.-M. Vol. 28, No. 2 (June 1996), 297–299.
Pasquale, J. See Clarke, D. et al. Vol. 28, No. 4 (Dec. 1996), 690–701.
Patterson, D. A. See Chen, P. M. Vol. 26, No. 2 (June 1994), 145–186.
Pearl, J. Decision Making Under Uncertainty. Vol. 28, No. 1 (March 1996), 89–92.
Petreschi, R. See Greenlaw, R. Vol. 27, No. 4 (Dec. 1995), 471–495.
Pettorossi, A., and Proietti, M. Rules and Strategies for Transforming Functional and Logic Programs. Vol. 28, No. 2 (June 1996), 360–414.
Picard, R. W. Computer Learning of Subjectivity. Vol. 27, No. 4 (Dec. 1995), 621–623.
Pitoura, E., Bukhres, O., and Elmagarmid, A. Object Orientation in Multidatabase Systems. Vol. 27, No. 2 (June 1995), 141–195.
Pitrat, J. AI Systems Are Dumb Because AI Researchers Are Too Clever. Vol. 27, No. 3 (Sept. 1995), 349–350.
Plaice, J. Computer Science is an Experimental Science. Vol. 27, No. 1 (March 1995), 33.
Prather, R. E. Design and Analysis of Hierarchical Software Metrics. Vol. 27, No. 4 (Dec. 1995), 497–518.
Priami, C. See Degano, P. Vol. 28, No. 2 (June 1996), 352–354.

Preece, J. and Shneiderman, B. Survival of the Fittest: The Evolution of Multimedia User Interfaces. Vol. 27, No. 4 (Dec. 1995), 557–559.
Proietti, M. See Pettorossi, A. Vol. 28, No. 2 (June 1996), 360–414.
Pu, C. See Cowan, C. Vol. 27, No. 4 (Dec. 1995), 580–583.
Quinlan, J. R. Learning Decision Tree Classifiers. Vol. 28, No. 1 (March 1996), 71–72.
Rada, R. SIGBIO and the Relationship Between People and Tools. Vol. 27, No. 1 (March 1995), 127–128.
Raghavan, P. See Motwani, R. Vol. 28, No. 1 (March 1996), 33–37.
Raghavachari, B. See Khuller, S. Vol. 28, No. 1 (March 1996), 44–46.
Ramakrishnan, R. See Ceri, S. Vol. 28, No. 1 (March), 109–111.
Ranzato, F. See File, G. Vol. 28, No. 2 (June 1996), 333–336.
Rao, M. R. See Chandru, V. Vol. 28, No. 1 (March 1996), 55–58.
Rastogi, R. See Özden, B. Vol. 27, No. 4 (Dec. 1995), 617–620.
Reddy, R. Grand Challenges in AI. Vol. 27, No. 3 (Sept. 1995), 301–303.
Reddy, U. S. Imperative Functional Programming. Vol. 22, No. 2 (June 1996), 312–314.
Reiss, S. P. Software Tools and Environments. Vol. 28, No. 1 (March 1996), 281–284.
Rice, J. R. See Gallopoulos, E. Vol. 27, No. 2 (June 1995), 277–279.
Riloff, E. and Hollaar, L. Text Databases and Information Retrieval. Vol. 28, No. 1 (March 1996), 133–135.
Rockwood, A. P. Geometric Primitives. Vol. 28, No. 1 (March 1996), 149–151.
Roselli, T. Artificial Intelligence Can Improve Hypermedia Instructional Technologies for Learning. Vol. 27, No. 4 (Dec. 1995), 624–626.
Rosenberg, A. L. Thoughts on Parallelism and Concurrency in Computing Curricula. Vol. 27, No. 2 (June 1995), 280–283.
Rosenfeld, A. See Aloimonos, Y. Vol. 27, No. 3 (Sept. 1995), 307–309.
Rosson, M. B. Human Factors in Programming and Software Development. Vol. 28, No. 1 (March 1996), 193–195.
Rudd, K. W. See Flynn, M. J. Vol. 28, No. 1 (March 1996), 67–70.
Rus, D., and Subramanian, D. Customizing Multimedia Information Access. Vol. 27, No. 4 (Dec. 1995), 627–629.
Salzberg, B. Access Methods. Vol. 28, No. 1 (March 1996), 117–120.
Samarati, P. See Sandhu, R. Vol. 28, No. 1 (March 1996), 241–243.
Sameh, A. et al. Strategic Directions in Computational Science and Engineering. Vol. 28, No. 4 (Dec. 1996), 821–828.
Sandhu, R. and Samarati, P. Authentication, Access Control, and Audit. Vol. 28, No. 1 (March 1996), 241–243.
Samet, H. General Research Issues in Multimedia Database Systems. Vol. 27, No. 4 (Dec. 1995), 630–632.
Saraswat, V. See Van Hentenryck, P. et al. Vol. 28, No. 4 (Dec. 1996), 712–737.
Sarkar, D. Methods to Speed Up Error Back-Propagation Learning Algorithm. Vol. 27, No. 4 (Dec. 1995), 519–542.
Savage, J. E. Will Computer Science Become Irrelevant? Vol. 27, No. 1 (March 1995), 35–37.
Schach, S. R. Testing: Principles and Practice. Vol. 28, No. 1 (March 1996), 277–279.
Schank, R. C., Korcuska, M., and Jona, M. Multimedia Applications for Education and Training: Revolution or Red Herring? Vol. 27, No. 4 (Dec. 1995), 633–635.
Schmidt, D. Programming Language Semantics. Vol. 28, No. 1 (March 1996), 265–267.
Schmidt, D. See Le Métayer, D. Vol. 28, No. 2 (June 1996), 340–343.
Schneider, M. Self-Stabilizing. Vol. 25, No. 1 (March 1993), 45–67.
Selber, S. A., Johnson-Eilola, J., and Mehlenbacher, B. Online Support Systems. Vol. 28, No. 1 (March 1996), 197–200.
Shahookar, K., and Mazumder, P. VLSI Placement Techniques. Vol. 23, No. 2 (June 1991), 143–220.
Shang, J. S. Computational Electromagnetics. Vol. 28, No. 1 (March 1996), 97–99.
Shankar, A. U. An Introduction to Assertional Reasoning for Concurrent Systems. Vol. 25, No. 3 (Sept. 1993), 225–262.
Shapiro, S. C. SIGART. Vol. 27, No. 1 (March 1995), 124.
Sharp, O. J. See Bacon, D. F. Vol. 26, No. 4 (Dec. 1994), 345–420.
Shasha, D. Tuning Databases for High Performance. Vol. 28, No. 1 (March 1996), 113–115.
Shenoy, P. J., Goyal, P., and Vin, H. M. Issues in Multimedia Server Design. Vol. 27, No. 4 (Dec. 1995), 636–639.

Shin, K. G. See Lee, S. Vol. 26, No. 1 (March 1994), 121–139.
Shneiderman, B. See Preece, J. Vol. 27, No. 4 (Dec. 1995), 557–559.
Siegel, H. J., Dietz, H. G., and Antonio, J. K. Software Support for Heterogeneous Computing. Vol. 28, No. 1 (March 1996), 237–239.
Silberschatz, A. See Özden, B. Vol. 27, No. 4 (Dec. 1995), 617–620.
Silberschatz, A., Korth, H. F., and Sudarshan, S. Data Models. Vol. 28, No. 1 (March 1996), 105–108.
Silberschatz, A., and Zdonik, S. et al. Strategic Directions in Database Systems—Breaking Out of the Box. Vol. 28, No. 4 (Dec. 1996), 775–789.
Smith, G. See Volpano, D. Vol. 28, No. 2 (June 1996), 315–317.
Smolka, S. See Cleaveland, R. et al. Vol. 28, No. 4 (Dec. 1996), 616–635.
Smolka, S. A. See Gupta, R. Vol. 26, No. 1 (March 1994), 7–86.
Smolka, S. A. See Moller, F. Vol. 27, No. 2 (June 1995), 287–289.
Soderquist, P. and Leeser, M. Area and Performance Tradeoffs in Floating-Point Divide and Square-Root Implementations. Vol. 28, No. 3 (Sept. 1996), 518–564.
Sommerville, I. Software Process Models. Vol. 28, No. 1 (March 1996), 269–271.
Staehli, R., Walpole, J., and Maier, D. Device and Physical-Data Independence for Multimedia Presentations. Vol. 27, No. 4 (Dec. 1995), 640–642.
Stallings, W. Advances in High-Speed Networking. Vol. 28, No. 1 (March 1996), 221–223.
Stankovic, J. A. Real-Time and Embedded Systems. Vol. 28, No. 1 (March 1996), 205–208.
Stankovic, J. A. et al. Strategic Directions in Real-Time and Embedded Systems. Vol. 28, No. 4 (Dec. 1996), 762–774.
Stewart, N. F. Science and Computer Science. Vol. 27, No. 1 (March 1995), 39–41.
Subramanian, D. See Rus, D. Vol. 27, No. 4 (Dec. 1995), 627–629.
Sudarshan, S. See Silberschatz, A. Vol. 28, No. 1 (March 1996), 105–108.
Suetens, P., Fua, P., and Hanson, A. J. Computational Strategies for Object Recognition. Vol. 24, No. 1 (March 1992), 5–61.
Sutherland, J. Business Objects in Corporate Systems. Vol. 27, No. 2 (June 1995), 274–276.
Taivalsaari, A. On the Notion of Inheritance. Vol. 28, No. 3 (Sept. 1996), 438–479.
Tamassia, R. See Baker, J. E. Vol. 27, No. 4 (Dec. 1995), 568–572.
Tamassia, R. Data Structures. Vol. 28, No. 1 (March 1996), 23–26.
Tamassia, R. et al. Strategic Directions in Computational Geometry. Vol. 28, No. 4 (Dec. 1996), 600–615.
Tate, A. Don't Leave Your Plan on the Shelf. Vol. 27, No. 3 (Sept. 1995), 351–352.
Terry, C. See Frakes, W. Vol. 28, No. 2 (June 1996), 415–435.
Thalmann, D. See Thalmann, N. M. Vol. 28, No. 1 (March 1996), 161–163.
Thalmann, N. M., and Thalmann, D. Computer Animation. Vol. 28, No. 1 (March 1996), 161–163.
Thanisch, P. See Norman, M. G. Vol. 25, No. 3 (Sept. 1993), 263–302.
Thomasian, A. High-Performance Secondary Memory (Surveyor's Forum), Vol. 27, No. 2 (June 1995), 292–295.
Torasso, P., Console, L., Portinale, L., and Theseider, D. On the Role of Abduction. Vol. 27, No. 3 (Sept. 1995), 353–355.
Triantafillou, P. See Christodoulakis, S. Vol. 27, No. 4 (Dec. 1995), 576–579.
Tucker, A. B. et al. Strategic Directions in Computer Science Education. Vol. 28, No. 4 (Dec. 1996), 847–856.
Ullman, J. D. The Role of Theory Today. Vol. 27, No. 1 (March 1995), 43–44.
Valduriez, P. See Özsu, M. T. Vol. 28, No. 1 (March 1996), 125–128.
Van Hentenryck, P. and Saraswat, V. et al. Strategic Directions in Constraint Programming. Vol. 28, No. 4 (Dec. 1996), 712–737.
Vin, H. M. See Shenoy, P. J. Vol. 27, No. 4 (Dec. 1995), 636–639.
Vitter, J. S. See Gibson, G. A. et al. Vol. 28, No. 4 (Dec. 1996), 790–804.
Volpano, D. and Smith, G. On the Systematic Design of Web Languages. Vol. 28, No. 2 (June 1996), 315–317.
Wadler, P. Lazy Versus Strict. Vol. 28, No. 2 (June 1996), 318–320.
Walpole, J. See Cowan, C. Vol. 27, No. 4 (Dec. 1995), 580–583.
Walpole, J. See Staehli, R. Vol. 27, No. 4 (Dec. 1995), 640–642.
Waltz, D. and Kasif, S. On Reasoning from Data. Vol. 27, No. 3 (Sept. 1995), 356–359.
Ware, C. Multimedia Output Devices and Techniques. Vol. 28, No. 1 (March 1996), 181–183.
Watt, A. Rendering Techniques: Past, Present, and Future. Vol. 28, No. 1 (March 1996), 157–159.

Wegner, P. Interaction as a Basis for Empirical Computer Science. Vol. 27, No. 1 (March 1995), 45–48.
Wegner, P. and Israel, M. Editorial Directions. Vol. 26, No. 4 (Dec. 1994), 337–339.
Wegner, P. Interoperability. Vol. 28, No. 1 (March 1996), 285–287.
Weingarten, F. Government Funding and Computing Research Priorities. Vol. 27, No. 1 (March 1995), 49–54.
Wellman, M. P. The Economic Approach to Artificial Intelligence. Vol. 27, No. 3 (Sept. 1995), 360–362.
Wichmann, B. A. Surveyors' Forum. Vol. 24, No. 3 (Sept. 1992), 319.
Wiederhold, G. Mediation in Information Systems. Vol. 27, No. 2 (June 1995), 265–267.
Wilkes, J. See Gibson, G. A. et al. Vol. 28, No. 4 (Dec. 1996), 790–804.
Wills, C. E. Process Synchronization and IPC. Vol. 28, No. 1 (March 1996), 211–219.
Wing, J. M. See Clarke, E. M. et al. Vol. 28, No. 4 (Dec. 1996), 636–653.
Wolfe, M. Parallelizing Compilers. Vol. 28, No. 1 (March 1996), 261–262.
Woo, C. Survey and Tutorial Needs of SIGOIS. Vol. 27, No. 1 (March 1995), 136–137.
Wood, D. See Estivill-Castro, V. Vol. 24, No. 4 (Dec. 1992), 441–467.
Wright, A. See Jagannathan, S. Vol. 28, No. 2 (June 1996), 337–339.
Wulf, W. A. Are We Scientists or Engineers? Vol. 27, No. 1 (March 1995), 55–57.
Yesha, Y. See Adam, N. et al. Vol. 28, No. 4 (Dec. 1996), 829–846.
Yip, K., Zhao, F., and Sacks, E. Imagistic Reasoning. Vol. 27, No. 3 (Sept. 1995), 363–365.
Zdonik, S. See Silberschatz, A. et al. Vol. 28, No. 4 (Dec. 1996), 775–789.
Zhang, H. and Tian, Q. Digital Video Analysis and Recognition for Content-Based Access. Vol. 27, No. 4 (Dec. 1995), 643–644.
Ziegler, J. Interactive Technique. Vol. 28, No. 1 (March 1996), 185–187.
Zweben, S. Serving the Need for Professional Development. Vol. 27, No. 1 (March 1995), 121.

Subject Index 1992–1996

Algorithms and Data Structures

McGeoch	June 1992
Bryant	September 1992
Estivill-Castro and Wood	December 1992
Gupta, Smolka, and Bhaskar	March 1994
Matousek	December 1994
Baeza-Yates	March 1995
Rheingold	March 1996
Tamassia	March 1996
Lee	March 1996
Motwani and Raghavan	March 1996
Crochemore and Lecrocq	March 1996
Khuller and Raghavachari	March 1996
Loui	March 1996
Blelloch and Maggs	March 1996
Chandru and Rao	March 1996
LaPaugh	March 1996

Artificial Intelligence

Kukich	December 1992
Reddy	September 1995
Ahuja	September 1995
Aloimonos, Fermüller, and Rosenfeld	September 1995
Bajcsy	September 1995
Brachman and Levesque	September 1995
Charniak	September 1995
Clancey	September 1995
Cohn	September 1995
Dietterich	September 1995
Dubois and Prade	September 1995
Ginsberg	September 1995
Kambhampati	September 1995

Korf	September 1995
Lesser	September 1995
Lifschitz	September 1995
Loui	September 1995
Pitrat	September 1995
Tate	September 1995
Torasso, Console, Partinale, and Dupré	September 1995
Waltz and Kasif	September 1995
Wellman	September 1995
Yip, Zhao, and Sacks	September 1995
Quinlan	March 1996
Jordan and Bishop	March 1996
Forrest	March 1996
Lewis, Fitzgerald, and Liu	March 1996
Dean	March 1996
Pearl	March 1996
Compilers	
Bacon, Graham, and Sharp	December 1994
Paaki	June 1995
Computational Science	
Gallopoulos, Houstis, and Rice	June 1995
Cinnella	March 1996
Shang	March 1996
Kingsbury	March 1996
Computer Architecture; IC Design	
Burger	March 1996
Flynn and Rudd	March 1996
Soderquist and Leeser	September 1996
Computer System Design	
Lilja	September 1993
Eschermann	December 1993
Computer Systems Management	
Baskerville	December 1993
Malone and Crowston	March 1994
Concurrency	
Rosenberg	June 1995
Metaxas	June 1995
Database and Information Retrieval	
Silberschatz, Korth, and Sudarshan	March 1996
Ceri and Ramakrishnan	March 1996
Shasha	March 1996
Salzberg	March 1996
Ioannidis	March 1996
Oszu and Valduriez	March 1996
Jajodia	March 1996
Riloff and Hollaar	March 1996
Bancilhon	March 1996
Melton	March 1996
Database Management	
Mishra and Eich	March 1992
Graefe	June 1993
Pitoura, Bukhres, and Elmagarmid	June 1995

Error Detection	
Gallian	September 1996
Fault-Tolerant Computing	
Barborak, Marek, and Dahbura	June 1993
Lee and Shin	
Graphics	
House	March 1996
Rockwood	March 1996
Ebert	March 1996
Watt	March 1996
Magnenat Thalmann and Thalmann	March 1996
Kaufman	March 1996
Graphics and Image Processing	
Suetens, Fua, and Hanson	March 1992
Hwang and Ahuja	September 1992
Brown	December 1992
Arman and Aggarawal	March 1993
Buhr, Fortier, and Coffin	March 1995
Thomasian	June 1995
Allan, Jones, and Lee	September 1995
Greenlaw and Petreschi	December 1995
Human-Computer Interaction	
Grudin	March 1996
Dzida	March 1996
Jacob	March 1996
Ware	March 1996
Ziegler	March 1996
Myers	March 1996
Rosson	March 1996
Selber, Johnson-Eilola, and Mehlenbacher	March 1996
Information Systems Applications	
Brancheau and Brown	December 1993
Learning	
Sarkar	December 1995
Multimedia	
Gudivada	December 1995
Fox and Kieffer	December 1995
Furht	December 1995
Preece and Shneiderman	December 1995
André	December 1995
Aref, Kamel, and Lopresti	December 1995
Baker, Cruz, Liotta, and Tamassia	December 1995
Christodoulakis and Triantafillou	December 1995
Cowan, Cen, Walpole, and Pu	December 1995
Dimitrova	December 1995
Flank	December 1995
Garofalakis and Ioannidis	December 1995
Ghafoor	December 1995
Hall	December 1995
Li and Huang	December 1995
Moffat and Zobel	December 1995
Mossé	December 1995

Nahrstedt	December 1995
Özden, Rastogi, and Silberschatz	December 1995
Picard	December 1995
Roselli	December 1995
Rus and Subramanian	December 1995
Samet	December 1995
Schank, Korcuska, and Jona	December 1995
Shenoy, Goyal, and Vin	December 1995
Staehli, Walpole, and Maier	December 1995
Zhang, and Tian	December 1995
Nature of Computer Science	
Belady	March 1995
Brassard	March 1995
Denning	March 1995
Freeman	March 1995
Hartmanis	March 1995
Loui	March 1995
Plaice	March 1995
Savage	March 1995
Stewart	March 1995
Ullman	March 1995
Wegner	March 1995
Weingarten	March 1995
Wulf	March 1995
Networks: Distributed Computing	
Schneider	March 1993
Operating Systems and Networks	
Finkel	March 1996
Stankovic	March 1996
Wills	March 1996
Denning	March 1996
McKusick	March 1996
Stallings	March 1996
Mullender	March 1996
Doeppner	March 1996
Chapin	March 1996
Siegel, Dietz, and Antonio	March 1996
Sandhu and Samarati	March 1996
Parallel Computing	
Norman and Thanisch	September 1993
Harris	June 1994
Chassin de Kergommeaux and Codognet	September 1994
Performance Modeling	
Nelson	September 1993
Frakes and Terry	June 1996
Program Analysis	
Benton	June 1996
Cousot	June 1996
Danvy, Hentze and Malmkjaer	June 1996
File, Giacobazzi and Ranzato	June 1996
Jagannathan and Wright	June 1996
Le Metayer and Schmidt	June 1996
Nielson	June 1996

Program Verification and Types

Dam	June 1996
Cartwright and Felleisen	June 1996
Degano and Priami	June 1996
Jay	June 1996
Palsberg	June 1996

Programming Languages

Chassin de Kergommeaux and Codognet	September 1994
Bruce	March 1996
Goldberg	March 1996
Hirshfield and Ege	March 1996
Cohen	March 1996
Wolfe	March 1996
Cardelli	March 1996
Schmidt	March 1996
Hankin and Nielson	June 1996
Pettorossi and Proietti	June 1996
Taivalsaari	September 1996
Jones	September 1996

Programming Language Design

Agha	June 1996
Andreoli and Pareschi	June 1996
Ciancarini	June 1996
Gilbert	June 1996
Hanus and Kuchen	June 1996
Mycroft	June 1996
Reddy	June 1996
Volpano and Smith	June 1996
Wadler	June 1996

Programming Methods, Validation, Testing

Krueger	June 1992
Brinch Hansen	June 1992
Shankar	September 1993

Security

Landwehr, Bull, McDermott, and Choi	September 1994

Simulation and Modeling

Bailey, Briner, and Chamberlain	September 1994

Software Engineering

Garlan	June 1995
Nierstrasz and Meijler	June 1995
Wiederhold	June 1995
Manola	June 1995
Heiler	June 1995
Sutherland	June 1995
Prather	December 1995
Sommerville	March 1996
Holland and Lieberherr	March 1996
Schach	March 1996
Reiss	March 1996
Wegner	March 1996

Storage Systems

Chen, Lee, Gibson, Katz, and Patterson	June 1994

Theory of Computation

In Memoriam: Paris C. Kanellakis	March 1996
Computational Geometry	December 1996
Concurrency	December 1996
Formal Methods	December 1996
Programming Languages	December 1996
Artificial Intelligence	December 1996
Computer Architecture	December 1996
Networks and Telecommunications	December 1996
Object-Oriented Programming	December 1996
Constraint Programming	December 1996
Software Engineering and Programming Languages	December 1996
Software Quality	December 1996
Real-Time and Embedded Systems	December 1996
Database Systems	December 1996
Storage I/O in Large-Scale Computing	December 1996
Human-Computer Interaction	December 1996
Computational Science and Engineering	December 1996
Electronic Commerce and Digital Libraries	December 1996
Computer Science Education	December 1996

Vision

Beauchemin and Barron	September 1995

Position statements in *Computing Surveys* electronic section volume 28 (4es), are accessible via the online table of contents at http://www.acm.org/pubs/contents/journals/surveys/1996-28/. URLs for individual position statements appear in the table of contents of the December 1996 *Computing Surveys*.